Claims

What is claimed is:

1.   During testing of a computer function, a method of propagating an environmental error indication in a multi-system environment, the method comprising:

responsive to identifying an environmental error at a first system of the multi-system environment, invoking a request from a testcase executing on the first system for an environmental error indication;

sending the environmental error indication from the first system to at least one second system of the multi-system environment also executing said testcase; and

receiving the environmental error indication at the least one second system and responsive thereto terminating execution of the testcase at the at least one second system.

2.   The method of claim 1, further comprising terminating processing of the testcase executing on the first system responsive to identifying of the environmental error at the first system.

3. The method of claim 1, further comprising prior to said sending, determining whether said testcase has a portion executing on at least one second system of the multi-system environment, and if so, proceeding with said sending to said at least one second system.

4. The method of claim 1, further comprising automatically terminating execution of the testcase on each system of the multi-system environment responsive to said identifying of the environmental error at the first system, said automatically terminating including said sending and said receiving.

5. The method of claim 1, wherein said sending comprises sending the environmental error indication to each system of the multi-system environment executing a portion of said testcase.

6. A method of processing a multi-system testcase within a sysplex, the method comprising:

providing each system of multiple systems of a sysplex to execute a multi-system testcase with a capability to wait during processing of the testcase for a requested message which may be issued from any other system of the multiple systems;

processing the multi-system testcase on the multiple systems of the sysplex;

when a wait for requested processing occurs on one system of the multiple systems during said testcase processing, having said one system wait for a message to be generated by any other system of the multiple systems indicating that the requested processing has been completed, wherein said one system waiting for the message to be generated is unaware of which other system of the multiple systems is performing the requested processing; and

continuing execution of the testcase on said one system of said multiple systems responsive to generation of said message by said any other system of the multiple systems.

7.   The method of claim 6, further comprising responsive to generation of said message by said any other system, notifying other systems of the multiple systems to continue execution of the multi-system testcase if execution is suspended thereat waiting for said requested processing.

8.   The method of claim 6, further comprising performing message processing at said one system to identify receipt of said message.

9.   The method of claim 8, wherein said one system takes action based upon receipt of said requested message, said action comprising one of a POST action (wherein a signal is sent to other systems of the multiple systems that the requested message is found), a CALL action (wherein code within the testcase is executed), a DUMP action (wherein an SVC Dump is requested from the one system) or a FAIL action (wherein the testcase is terminated).

10.   A system for propagating an environmental error indication in a multi-system environment during testing of a computer function, the system comprising:

means for invoking a request from a testcase executing on a first system for an environmental error indication responsive to identifying an environmental error at the first system of the multi-system environment;

means for sending the environmental error indication from the first system to at least one second system of the multi-system environment also executing said testcase; and

means for receiving the environmental error indication at the least one second system and responsive thereto for terminating execution of the testcase at the at least one second system.

11.   The system of claim 10, further comprising means for terminating processing of the testcase executing on the first system responsive to identifying of the environmental error at the first system.

12.   The system of claim 10, further comprising prior to said means for sending, means for determining whether said testcase has a portion executing on at least one second system of the multi-system environment, and if so, for proceeding with said sending to said at least one second system.

13.   The system of claim 10, further comprising means for automatically terminating execution of the testcase on each system of the multi-system environment responsive to said identifying of the environmental error at the first system, said means for automatically terminating including said means for sending and said means for receiving.

14.   The system of claim 10, wherein said means for sending comprises means for sending the environmental error indication to each system of the multi-system environment executing a portion of said testcase.

15. A system for propagating an environmental error indication in a multi-system environment during testing of a computer function, said system comprising:

a multi-system environment for executing a multi-system testcase;

a first system of the multi-system environment being adapted to invoke a request from a portion of the multi-system testcase executing thereon for an environmental error indication responsive to identifying an environmental error;

the first system being further adapted to send the environmental error indication to at least one second system of the multi-system environment also executing said testcase; and

the at least one second system being adapted to receive the environmental error indication and responsive thereto terminate execution of the testcase thereon.

16. A system for processing a multi-system testcase within a sysplex, the system comprising:

means for providing each system of multiple systems of a sysplex to execute a multi-system testcase with a capability to wait during processing of the testcase for a requested message which may be issued from any other system of the multiple systems;

means for processing the multi-system testcase on the multiple systems of the sysplex;

when a wait for requested processing occurs on one system of the multiple systems during said testcase processing, means for having said one system wait for a message to be generated by any other system of the multiple systems indicating that the requested processing has been completed, wherein said one system waiting for the message to be generated is unaware of which other system of the multiple systems is performing the requested processing; and

means for continuing execution of the testcase on said one system of said multiple systems responsive to generation of said message by said any other system of the multiple systems.

17. The system of claim 16, further comprising responsive to generation of said message by said any other system, means for notifying other systems of the multiple systems to continue execution of the multi-system testcase if execution is suspended thereat waiting for said requested processing.

18. The system of claim 16, further comprising means for performing message processing at said one system to identify receipt of said message.

19. The system of claim 18, wherein said one system takes action based upon receipt of said requested message, said action comprising one of a POST action (wherein a signal is sent to other systems of the multiple systems that the requested message is found), a CALL action (wherein code within the testcase is executed), a DUMP action (wherein an SVC Dump is requested from the one system) or a FAIL action (wherein the testcase is terminated).

20. A system for processing a multi-system testcase within a sysplex, the system comprising:

a sysplex having multiple systems each provided with a capability to wait during processing of a multi-system testcase for a requested message which may be issued from any other system of the multiple systems;

the multiple systems being adapted to process the multi-system testcase;

wherein when a wait for requested processing occurs on one system of the multiple systems during said testcase processing, said one system is adapted to wait for a message to be generated by any other system of the multiple systems indicating that the requested processing has been completed, wherein said one system waiting for said message to be generated is unaware of which other system of the multiple systems is performing the requested processing; and

wherein the at least one system is further adapted to continue execution of the testcase responsive to generation of said message by said any other system of the multiple systems.

21. At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of propagating an environmental error indication in a multi-system environment during testing of a computer function, the method comprising:

responsive to identifying an environmental error at a first system of the multi-system environment, invoking a request from a testcase executing on the first system for an environmental error indication;

sending the environmental error indication from the first system to at least one second system of the multi-system environment also executing said testcase; and

receiving the environmental error indication at the least one second system and responsive thereto terminating execution of the testcase at the at least one second system.

22. The at least one program storage device of claim 21, further comprising terminating processing of the testcase executing on the first system responsive to identifying of the environmental error at the first system.

23. The at least one program storage device of claim 21, further comprising prior to said sending, determining whether said testcase has a portion executing on at least one second system of the multi-system environment, and if so, proceeding with said sending to said at least one second system.

24. The at least one program storage device of claim 21, further comprising automatically terminating execution of the testcase on each system of the multi-system environment responsive to said identifying of the environmental error at the first system, said automatically terminating including said sending and said receiving.

25. The at least one program storage device of claim 21, wherein said sending comprises sending the environmental error indication to each system of the multi-system environment executing a portion of said testcase.

26. At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of processing a multi-system testcase within a sysplex, the method comprising:

providing each system of multiple systems of a sysplex to execute a multi-system testcase with a capability to wait during processing of the testcase for a requested message which may be issued from any other system of the multiple systems;

processing the multi-system testcase on the multiple systems of the sysplex;

when a wait for requested processing occurs on one system of the multiple systems during said testcase processing, having said one system wait for a message to be generated by any other system of the multiple systems indicating that the requested processing has been completed, wherein said one system waiting for the message to be generated is unaware of which other system of the multiple systems is performing the requested processing; and

continuing execution of the testcase on said one system of said multiple systems responsive to generation of said message by said any other system of the multiple systems.

27. The at least one program storage device of claim 26, further comprising responsive to generation of said message by said any other system, notifying other systems of the multiple systems to continue execution of the multi-system testcase if execution is suspended thereat waiting for said requested processing.

28. The at least one program storage device of claim 26, further comprising performing message processing at said one system to identify receipt of said message.

29. The at least one program storage device of claim 28, wherein said one system takes action based upon receipt of said requested message, said action comprising one of a POST action (wherein a signal is sent to other systems of the multiple systems that the requested message is found), a CALL action (wherein code within the testcase is executed), a DUMP action (wherein an SVC Dump is requested from the one system) or a FAIL action (wherein the testcase is terminated).

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